

OIL ANALYSIS REPORT

VOLVO PENTA

POWERSECURE VP-373113 - INDUSTRIAL - GENSET

Sample No: VPA049653

Oil Type: DIESEL ENGINE OIL SAE 30

SAMPLE INFORMATION

Sample Number	VPA049653	---	---	---
Sample Date	18 Jul 2023	---	---	---
Machine Hours	51	---	---	---
Oil Hours	51	---	---	---
Oil Changed	Not Changd	---	---	---
Sample Status	SEVERE	---	---	---

OIL CONDITION

Visc @ 100°C	cSt	▲ 10.3	---	---	---
Base Number (BN)	mg KOH/g	■ 7.4	---	---	---
Oxidation (PA)	%	■ 46	---	---	---

CONTAMINATION

Soot %	%	■ 0.1	---	---	---
Nitration (PA)	%	■ 56	---	---	---
Sulfation (PA)	%	■ 44	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	◆ 10.5	---	---	---
Silicon	ppm	■ 12	---	---	---
Sodium	ppm	■ <1	---	---	---
Potassium	ppm	■ 2	---	---	---

WEAR METALS

Iron	ppm	■ 1	---	---	---
Copper	ppm	■ 20	---	---	---
Lead	ppm	■ <1	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	■ <1	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	■ 70	---	---	---
Nickel	ppm	■ 0	---	---	---
Titanium	ppm	■ 0	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	■ <1	---	---	---
Vanadium	ppm	<1	---	---	---

ADDITIVES

Calcium	ppm	■ 1840	---	---	---
Magnesium	ppm	■ 97	---	---	---
Zinc	ppm	■ 1047	---	---	---
Phosphorus	ppm	■ 863	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 68	---	---	---

VOLVO PENTA - CORPORATE

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Diagnosis

We advise that you check the fuel injection system. We recommend an early resample to monitor this condition. All component wear rates are normal. There is a high amount of fuel present in the oil. Fuel is present in the oil and is lowering the viscosity. The BN result indicates that there is suitable alkalinity remaining in the oil.

Depot: VOLVOPENTA
Unique No: 10585780
Signed: Jonathan Hester
Report Date: 04 Aug 2023

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GRAPHS

